

Technical Bulletin
SWITCH Version 5 Release 2

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On Monday, November 30, 1998, the State of Utah will implement new software called VTAM/SWITCH. This software is intended to replace NETPASS. We plan to run both NETPASS and SWITCH in parallel until January 1999. Until that time both products can be used simultaneously.

Attached is documentation on how to access and use SWITCH. We are committed to making the transition from NETPASS to SWITCH as easy as possible by offering training to anyone who is interested. We hope the attached materials will help our costumer community to initially acquaint itself with the SWITCH product.

How SWITCH Works

SWITCH vs. NETPASS Terminology

<u>SWITCH</u>	equivalent to	<u>NETPASS</u>
ROTATE		SUSPEND
ROTATE FORward		JUMP

1. Logon to SWITCH using the command/characters: **SW**.
2. You should now have the SWITCH Logon screen on your terminal:

VTAM/SWITCH 5.2 SESSION MANAGER	TERMINAL: TADP47
PLEASE ENTER YOUR USER ID AND PASSWORD	
USER ID : DBDB2D2	
PASSWORD :	
NEW PASSWORD :	

3. The screen that is displayed now shows all the valid applications for your user ID.

```
VTAM/SWITCH 5.2    APPLICATION SELECTION    USER:DBDB2D2 TERM:TADP47
====>

SELECT ONE OF THE FOLLOWING APPLICATIONS TO START A NEW SESSION:

 1 CICSJ  CICS CRIM JUSTICE      ACTIVE
 2 CICSGG CICS GENERAL GOV      ACTIVE
 3 CICSJS CICS HUMAN SERVICES    ACTIVE
 4 CICSJA CICS PACMIS            ACTIVE
 5 CICSRS CICS RECOVERY SER      ACTIVE
 6 CICSWS CICS WORKFORCE SERV.   ACTIVE
 7 CICSRG CICS GEN. GOV. RICHFIELD ACTIVE
 8 CICST  CICS TEST              ACTIVE
 9 CICSAT CICS ACCEP TESTING      ACTIVE
10 CICSTR CICS TRAINING          ACTIVE
11 TSOCJ  TSO CRIM. JUSTICE      ACTIVE
12 TSOHS  TSO HUMAN SERV         ACTIVE
13 TSODV  TSO DEVELOPMENT        ACTIVE
14 TSOR   TSO RICHFIELD          ACTIVE
15 TSORD  TSO DEV. RICHFIELD     ACTIVE

Keys: PF1-HELP PF3-END PF7-BACKWARD PF8-FORWARD PF24-ROTATE
```

From here you could open an application by typing '**OPEN** Application Name', or by typing the corresponding number and pressing the Enter key.

Example: To access CICS HUMAN SERVICES application, you do:

```
VTAM/SWITCH 5.2    APPLICATION SELECTION    USER:DBDB2D2 TERM:TADP47
====> OPEN CICSJS

SELECT ONE OF THE FOLLOWING APPLICATIONS TO START A NEW SESSION:

 1 CICSJ  CICS CRIM JUSTICE      ACTIVE
 2 CICSGG CICS GENERAL GOV      ACTIVE
 3 CICSJS CICS HUMAN SERVICES    ACTIVE
 4 CICSJA CICS PACMIS            ACTIVE
```

or:

```
VTAM/SWITCH 5.2    APPLICATION SELECTION    USER:DBDB2D2 TERM:TADP47
====> 3

SELECT ONE OF THE FOLLOWING APPLICATIONS TO START A NEW SESSION:

 1 CICSJ  CICS CRIM JUSTICE      ACTIVE
 2 CICSGG CICS GENERAL GOV      ACTIVE
 3 CICSJS CICS HUMAN SERVICES    ACTIVE
 4 CICSJA CICS PACMIS            ACTIVE
```

4. Let's open a CICSJS application. Here we have Signed on to CICSJS without having to

reenter the Logon ID and password. Every application can be invoked by this type of Auto Logon implementation.

```
ACF01137 DBDB2D2 LAST SYSTEM ACCESS 12.44-11/17/98 FROM S400
ACFAE139 ACF2/CICS S400 Signon OK: User=DBDB2D2 NAME=MISIAK, TED/DB2 ADM
```

5. Now, how do we go from here (our application) back to SWITCH in order to select a different application? We need to **ROTATE** by using the ROTATE Key, which at present has been selected as the **PF24** Key. The PF24 key is usually configured as Shift PF12. Please check the configuration of your keyboard.

The 'ROTATE' will take you to the native SWITCH (PF24).

```
VTAM/SWITCH 5.2      SESSION SELECTION      USER:DBDB2D2 TERM:TADP47
====>

-----OPENED SESSIONS-----
  _ CICS HS  CICS HUMAN SERVICES      SWCHS400 <CURRENT>

-----APPLICATION LIST-----
 1 CICS CJ   CICS CRIM JUSTICE
 2 CICS GG   CICS GENERAL GOV
 3 CICS HS   CICS HUMAN SERVICES
 4 CICS PA   CICS PACMIS
 5 CICS RS   CICS RECOVERY SER
 6 CICS WS   CICS WORKFORCE SERV.
 7 CICS RG   CICS GEN. GOV. RICHFIELD
 8 CICS ST   CICS TEST
 9 CICS AT   CICS ACCEP TESTING
10 CICS TR   CICS TRAINING
11 TSOCJ    TSO CRIM. JUSTICE
12 TSOHS    TSO HUMAN SERV
13 TSODV    TSO DEVELOPMENT
14 TSOR     TSO RICHFIELD
15 TSORD    TSO DEV. RICHFIELD
Commands: HELP  KEYS  ROTATE FOR (Next Session)  OPEN (Start new Session)
Keys: PF1-HELP PF23-ROTATE FOR PF24-ROTATE
```

This screen gives you two types of information:

1. Which applications you have selected/open so far (OPEN SESSIONS part).
2. Which applications are available to you (APPLICATION LIST part).

From here, you can OPEN new application as explained before (typing 'OPEN appl name' or the application number); you could also get back to the application that you work with, or

close that application.

6. To **select** back the application you have opened, use the '**S**' or '**/**' character, or position the cursor next to the open application. Using '**S**' is shown bellow.

(**Note:** usually you would not use this technique to return to the opened application(s); instead you will use the **ROTATE FORward** command/PF-key to accomplish this.)

VTAM/SWITCH 5.2	SESSION SELECTION	USER:DBDB2D2 TERM:TADP47
====>		
-----OPENED SESSIONS-----		
<u>S</u>	CICSHS CICS HUMAN SERVICES	SWCHS400 <CURRENT>
-----APPLICATION LIST-----		
1	CICSCJ CICS CRIM JUSTICE	
2	CICSGG CICS GENERAL GOV	
3	CICSHS CICS HUMAN SERVICES	
4	CICSPA CICS PACMIS	

7. To **Close** the application that you have opened, the '**C**' character is entered.

VTAM/SWITCH 5.2	SESSION SELECTION	USER:DBDB2D2 TERM:TADP47
====>		
-----OPENED SESSIONS-----		
<u>C</u>	CICSHS CICS HUMAN SERVICES	SWCHS400 <CURRENT>
-----APPLICATION LIST-----		
1	CICSCJ CICS CRIM JUSTICE	
2	CICSGG CICS GENERAL GOV	
3	CICSHS CICS HUMAN SERVICES	
4	CICSPA CICS PACMIS	

When you logoff from SWITCH using the LOGOFF command, SWITCH will automatically close for you any open sessions. Therefore, there is no need to close individually the open applications before logging off.

8. To explain the difference between **ROTATE (PF24)** and **ROTATE FORward (PF23)**, let's open the first three applications. You open the first application by typing the application

number:

```
VTAM/SWITCH 5.2      SESSION SELECTION      USER:DBDB2D2 TERM:TADP47
====> 1

-----OPENED SESSIONS-----
  _ CICS SHS  CICS HUMAN SERVICES          SWCHS400 <CURRENT>

-----APPLICATION LIST-----
1 CICS CJ    CICS CRIM JUSTICE
2 CICS GG    CICS GENERAL GOV
3 CICS SHS   CICS HUMAN SERVICES
4 CICS PA    CICS PACMIS
```

or:

OPEN application_name

```
VTAM/SWITCH 5.2      SESSION SELECTION      USER:DBDB2D2 TERM:TADP47
====> OPEN CICS CJ

-----OPENED SESSIONS-----
  _ CICS SHS  CICS HUMAN SERVICES          SWCHS400 <CURRENT>

-----APPLICATION LIST-----
1 CICS CJ    CICS CRIM JUSTICE
2 CICS GG    CICS GENERAL GOV
3 CICS SHS   CICS HUMAN SERVICES
4 CICS PA    CICS PACMIS
```

Once you open the first application, use the **ROTATE** Key (PF24) to return to SWITCH to open the second and the third application.

After all three applications are open, SWITCH will display:

VTAM/SWITCH 5.2		SESSION SELECTION		USER:DBDB2D2 TERM:TADP41	
====>					
-----OPENED SESSIONS-----					
_	CICSCJ	CICS CRIM JUSTICE	SWCHS400		
_	CICSGG	CICS GENERAL GOV	SWCHS400		
_	CICSHS	CICS HUMAN SERVICES	SWCHS400 <CURRENT>		
-----APPLICATION LIST-----					
1	CICSCJ	CICS CRIM JUSTICE	14 TSOR	TSO RICHFIELD	
2	CICSGG	CICS GENERAL GOV	15 TSORD	TSO DEV. RICHFIELD	
3	CICSHS	CICS HUMAN SERVICES			
4	CICSPA	CICS PACMIS			
5	CICSR	CICS RECOVERY SER			
6	CICSWS	CICS WORKFORCE SERV.			
7	CICSRG	CICS GEN. GOV. RICHFIELD			
8	CICST	CICS TEST			
9	CICSAT	CICS ACCEP TESTING			
10	CICSTR	CICS TRAINING			
11	TSOCJ	TSO CRIM. JUSTICE			
12	TSOHS	TSO HUMAN SERV			
13	TSODV	TSO DEVELOPMENT			
Commands: HELP KEYS ROTATE FOR (Next Session) OPEN (Start new Session)					
Keys: PF1-HELP PF23-ROTATE FOR PF24-ROTATE					

The **ROTATE** command (**PF24**) is used to return you from your application back to the native SWITCH. Once you are in SWITCH, executing ROTATE will connect you again with the current application (<current> application is defined as the last application you worked with).

The **ROTATE FORWARD** command (**PF23**) is used to switch you to the next opened application. ROTATE FORWARD is very useful when you work with many applications and you need to access them back and forth. Unlike ROTATE (PF24), **ROTATE FOR (PF23) will not put you back to native SWITCH.**

Problems and Solutions

Problem # 1

Where do I type SWITCH commands?

Solution:

You need to be in native SWITCH to use the commands, and they are typed after '====>'
The BREAK command is illustrated below:

VTAM/SWITCH 5.2	SESSION SELECTION	USER:DBDB2D2	TERM:TADP41
====> BREAK			
-----OPENED SESSIONS-----			
_ CICSJ	CICS CRIM JUSTICE	SWCHS400	
_ CICS	CICS GENERAL GOV	SWCHS400	
_ CICS	CICS HUMAN SERVICES	SWCHS400	<CURRENT>
-----APPLICATION LIST-----			
1 CICSJ	CICS CRIM JUSTICE	14 TSOR	TSO RICHFIELD
2 CICS	CICS GENERAL GOV	15 TSORD	TSO DEV. RICHFIELD
3 CICS	CICS HUMAN SERVICES		
4 CICSPA	CICS PACMIS		

Problem #2.

A coworker comes to your office and would like to 'show you something'; however, he needs to use your terminal. What can you do to save your current SWITCH sessions, so later you do not have to go thru the login process again?

Solution:

Use the **BREAK** command. This will release your terminal for other uses. Later, when you logon to SWITCH again, you will find all your sessions will be intact.

Problem #3

I need to have more than one session with the same application (example: CICSPA). I do not see multiple sessions being defined for my application on the Application list.

Solution:

If you wish to have many sessions with the same application, simply open the same application multiple times. Each time you open the same application, you will create another separate session with it.

Problem #4

After I came back from my lunch, I was no longer logged on to SWITCH.

Solution:

After 30 minutes of inactivity, SWITCH will lock the terminal and ask the user to reenter the Logon Id and Password. However, all sessions and data are saved, and the user is returned to the screen from which he timed out. This situation is called TIMEOUT, and SWITCH deals with it by automatically executing the LOCK command.

Problem #5

When I go out for short periods of time, I would like to prevent an authorized access to my SWITCH application/sessions. At the same time I do not want to completely Logoff from SWITCH.

Solution:

Use the **LOCK** or **BREAK** command. Both of them will save all your SWITCH sessions and keyed data. The difference is that LOCK will return you to SWITCH LOGON screen, while BREAK will return you to VTAM (forcing you to enter again the 'SW' characters). When you re-establish your connection to SWITCH, you will find all the sessions preserved.

Problem #6

Can I start an application which does not show on my SWITCH Application menu?

Solution:

You can open an application which does not appear on the menu by using '**OPENX**. Applname' command. For example, if the PHONE application is missing from your menu you could open it typing 'OPENX PHONE' on the SWITCH command line.

VTAM/SWITCH 5.2		SESSION SELECTION	USER:DBDB2D2 TERM:TADP41	
==>> OPENX PHONE				
-----OPENED SESSIONS-----				
_ CICSJ	CICS CRIM JUSTICE	SWCHS400		
_ CICSGG	CICS GENERAL GOV	SWCHS400		
_ CICSJS	CICS HUMAN SERVICES	SWCHS400 <CURRENT>		
-----APPLICATION LIST-----				
1 CICSJ	CICS CRIM JUSTICE	14 TSOR	TSO RICHFIELD	
2 CICSGG	CICS GENERAL GOV	15 TSORD	TSO DEV. RICHFIELD	
3 CICSJS	CICS HUMAN SERVICES			

Problem #7

How to logoff from SWITCH?

Solution:

Type the **LOGOFF** command.

Problem #8

My terminal is in an inhibited state (a small clock shows at the bottom, and/or the keyboard is locked). How do I break out?

Solution:

Use the **ATTN** key. This should put you back in the SWITCH Application main menu.

Problem #9

After I open my sessions and come back to SWITCH, I noticed that not all the applications I was presented with when I logged on appear again on the Application list.

Solution:

When you have more than 25 applications available on the Application Selection main menu, there might not be enough room to list them all on the screen that is presented to you when you ROTATE back to SWITCH (this screen is called Session Selection). You can easily access your main menu from here using the 'OPEN' command.

VTAM/SWITCH 5.2		SESSION SELECTION	USER:DBDB2D2 TERM:TADP41	
====> OPEN				
-----OPENED SESSIONS-----				
_ CICSJ	CICS CRIM JUSTICE	SWCHS400		
_ CICSGG	CICS GENERAL GOV	SWCHS400		
_ CICSJS	CICS HUMAN SERVICES	SWCHS400 <CURRENT>		
-----APPLICATION LIST-----				
1 CICSJ	CICS CRIM JUSTICE	14 TSOR	TSO RICHFIELD	
2 CICSGG	CICS GENERAL GOV	15 TSORD	TSO DEV. RICHFIELD	
3 CICSJS	CICS HUMAN SERVICES			
4 CICSJA	CICS PACMIS			

Now you are back to the main menu screen.

==>

SELECT ONE OF THE FOLLOWING APPLICATIONS TO START A NEW SESSION:

1	CICSCJ	CICS CRIM JUSTICE	ACTIVE
2	CICSGG	CICS GENERAL GOV	ACTIVE
3	CICSHS	CICS HUMAN SERVICES	ACTIVE
4	CICSPA	CICS PACMIS	ACTIVE
5	CICSR	CICS RECOVERY SER	ACTIVE
6	CICSWS	CICS WORKFORCE SERV.	ACTIVE
7	CICSRG	CICS GEN. GOV. RICHFIELD	ACTIVE
8	CICST	CICS TEST	ACTIVE
9	CICSAT	CICS ACCEP TESTING	ACTIVE
10	CICSTR	CICS TRAINING	ACTIVE
11	TSOCJ	TSO CRIM. JUSTICE	ACTIVE
12	TSOHS	TSO HUMAN SERV	ACTIVE
13	TSODV	TSO DEVELOPMENT	ACTIVE
14	TSOR	TSO RICHFIELD	ACTIVE
15	TSORD	TSO DEV. RICHFIELD	ACTIVE

Keys: PF1-HELP PF3-END PF7-BACKWARD PF8-FORWARD PF24-ROTATE